Docket No. 1008-001US01

<u>PATENT</u>

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#2/

Applicant:	Georgios B. Giannakis and Shengli Zhou	Group Art Unit:	2631
Serial No.:	09/838,621	Examiner:	Unknown
Filed:	April 19, 2001		
Title:	CHIP-INTERLEAVED, BLOCK-SPREAD MULTI-USER COMMUNICATION		

CERTIFICATE UNDER 37 CFR 1.8: I hereby certify that this correspondence is being deposited with the United States Post Service as First Class Mail, in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on ___July 23___, 2001.

By: _Celia A. Roberts_
Name: Celia A. Roberts

<u>INFORMATION DISCLOSURE STATEMENT</u>

Commissioner for Patents
Washington, D.C. 20231

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Dear Sir:

Applicant submits the references listed on the attached form PTO-1449, copies of which are enclosed.

This statement is being filed within three months of the filing date of the application or before the receipt of a first Office Action on the merits.

Respectfully submitted,

Date:_____Guly 23, 2001_____   ___Kent Sieffert___
                                        By: Kent J. Sieffert
                                        Reg. No. 41,312

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OMB No. 0651-0011

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	Applicant(s): Georgios B. Giannakis and Shengli Zhou	
	Filing Date: April 19, 2001	**Group:** 2631

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	SubClass	Filing Date If Appropriate
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FOREIGN PATENT DOCUMENTS

		Document Number	Date of Publication	Country	Class	SubClass	Translation Yes	No

OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

		Zhou et al., "Chip-Interleaved Block-Spread Code Division Multiple Access," 2001 Conference on Information Sciences and Systems, The Johns Hopkins University, March 21-23, 2001, pp.1-6.
		J.A.C. Bingham, "Multicarrier modulation for data transmission: An idea whose time has come," IEEE Comm. Magazine, pp. 5-14, May 1990.
		H.A. Cirpan and M.K. Tsatsanis, "Chip interleaving in direct sequence CDMA systems," in Proc. of Intl. Conf. on ASSP, 1997, vol. 5, pp. 3877-3880.
		G.B. Giannakis, Z. Wang, A. Scoglione, and S. Barbarossa, "AMOUR - Generalized Multicarrier Transceivers for Blind CDMA irrespective of Multipath," IEEE Trans. on Comm., vol. 48, no. 12, pp. 2064-2076, December 2000.
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EXAMINER	Date Considered

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Based on Form PTO-FB-A820
(Also form PTO-1449)

Patent and Trademark Office, U.S. Department of Commerce

OMB No. 0651-0011

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FOREIGN PATENT DOCUMENTS

		Document Number	Date of Publication	Country	Class	SubClass	Translation	
							Yes	No

OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

		A. Ruiz, J.M. Cioffi, and S. Kasturia, "Discrete multiple tone modulation with coset coding for the spectrally shaped channel," IEEE Trans. on Comm., vol. 40, pp. 1012-1029, June 1992.
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		S. Zhou, G.B. Giannakis, and C. Le Martret, "Chip-Interleaved Block-Spread Code Division Multiple Access", IEEE Trans. on Comm., submitted Augu., 2000.

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